

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

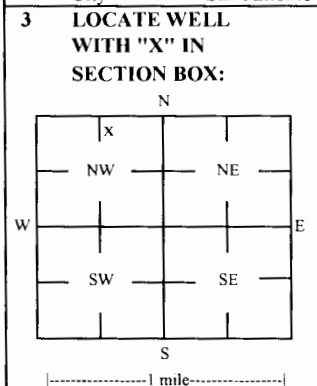
Well ID

MW17

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: Fraction NW 1/4 NE 1/4 Section Number 9 Township Number T 11 S Range Number R 24 E W

2 WELL OWNER: Last Name: Business: ELR, LLC Address: 19500 Bulverde Rd City: San Antonio State: TX ZIP: 78259 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): -405' E of 7667 State Ave., Kansas City, KS



4 DEPTH OF COMPLETED WELL: 25.5 ft Depth(s) Groundwater Encountered: 1) 2) 3) 4) Dry Well WELL'S STATIC WATER LEVEL: 7.68 ft below land surface, measured on (mo-day-yr) 5/6/2019

5 Latitude: 39.11613 (decimal degrees) Longitude: 94.75534 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model: ) (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper

7 WELL WATER TO BE USED AS: 1 Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 2 Public Water Supply: well ID Dewatering: how many wells? Aquifer Recharge: well ID Monitoring: well ID MW17 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection Oil Field Water Supply: lease Test Hole: well ID Cased Uncased Geotechnical Geothermal: How many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 10.5 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.33 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) Brass Galvanized Steel Concrete tile None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole) SCREEN-PERFORATED INTERVALS: From 10.5 ft. to 25.5 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 8 ft. to 25.5 ft. From ft. to ft. From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-0.7' Grout intervals: From 0.7 ft. to 8 ft. From ft. to ft. From ft. to ft.

Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well / Gas Well Other (Specify) Direction from well? W Distance from well? ~485' ft

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.3 Asphalt, 0.3-0.7 Gravel and Limestone, 0.7-11 Clayey silt, 11-20 Clayey silt with gravel and coarse sand, 20-25.5 Clayey silt with large gravel

Notes: KDHE ID: Vickers #2104; U4-105-00963 Target of monitoring well is shallow groundwater, <20' of grout was installed at the direction of KDHE.

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 4/22/19 and this record is true to the best of my knowledge and belief. License No 757 This Water Well Record was completed on (mo-day-year) 5/29/19 under the business name of Larsen & Associates, Inc. Signature

# DENNIS L HANDKE

1820 NW 59th Terrace  
TOPEKA, KANSAS 66618  
785-286-4047 Home

Jess Chapman  
Larsen & Associates  
1311 E. 25<sup>th</sup> Street, Suite B  
Lawrence, Kansas, 66046

May 7, 2019

RE: Monitor Well Elevation Survey  
7667 State Ave., Kansas City Kansas

Proj. 19-00P  
Vickers #2104  
U4-105-00963

Bench Mark: Chisled X in top SW bolt in concrete sign base near NE Corner of property.  
Elev: 912.38      North 5187.62      West 4013.36      (from SE Cor. Sec. 9-11-24E)

|       |          |        |       |         |  |
|-------|----------|--------|-------|---------|--|
| MW-17 | rim      | 892.75 | North | 5151.48 | NW1/4,NW1/4,NE1/4,NW1/4                |
|       | top pipe | 892.42 | West  | 3811.95 | Lat= 39.11613 Long = 94.75534          |
| MW-18 | rim      | 922.67 | North | 5159.35 | NE1/4,NE1/4,NW1/4,NW1/4                |
|       | top pipe | 922.37 | West  | 4398.51 | Lat= 39.11610 Long = 94.75741          |
| MW-19 | rim      | 932.77 | North | 5389.14 | SE1/4,SE1/4,SW1/4,SW1/4 (Sec. 4-11-24) |
|       | top pipe | 932.45 | West  | 4247.17 | Lat= 39.11675 Long = 94.75690          |

Lat & Long derived from Edwardsville 7.5' quad map. WGS84

Elevation established from existing project. NAVD 88.

If you have any questions, please feel free to call me. Thank you for the opportunity to be of service to you.

May 7, 2019  
Dennis L Handke RLS



NOTE: Figures exhibited within this report are only to be used within the context of this report. Placement of property lines, wells, structures, and roads is based on the available information from county appraiser maps, surveys, site visits, and/or previous vendor reports and should be considered approximate.

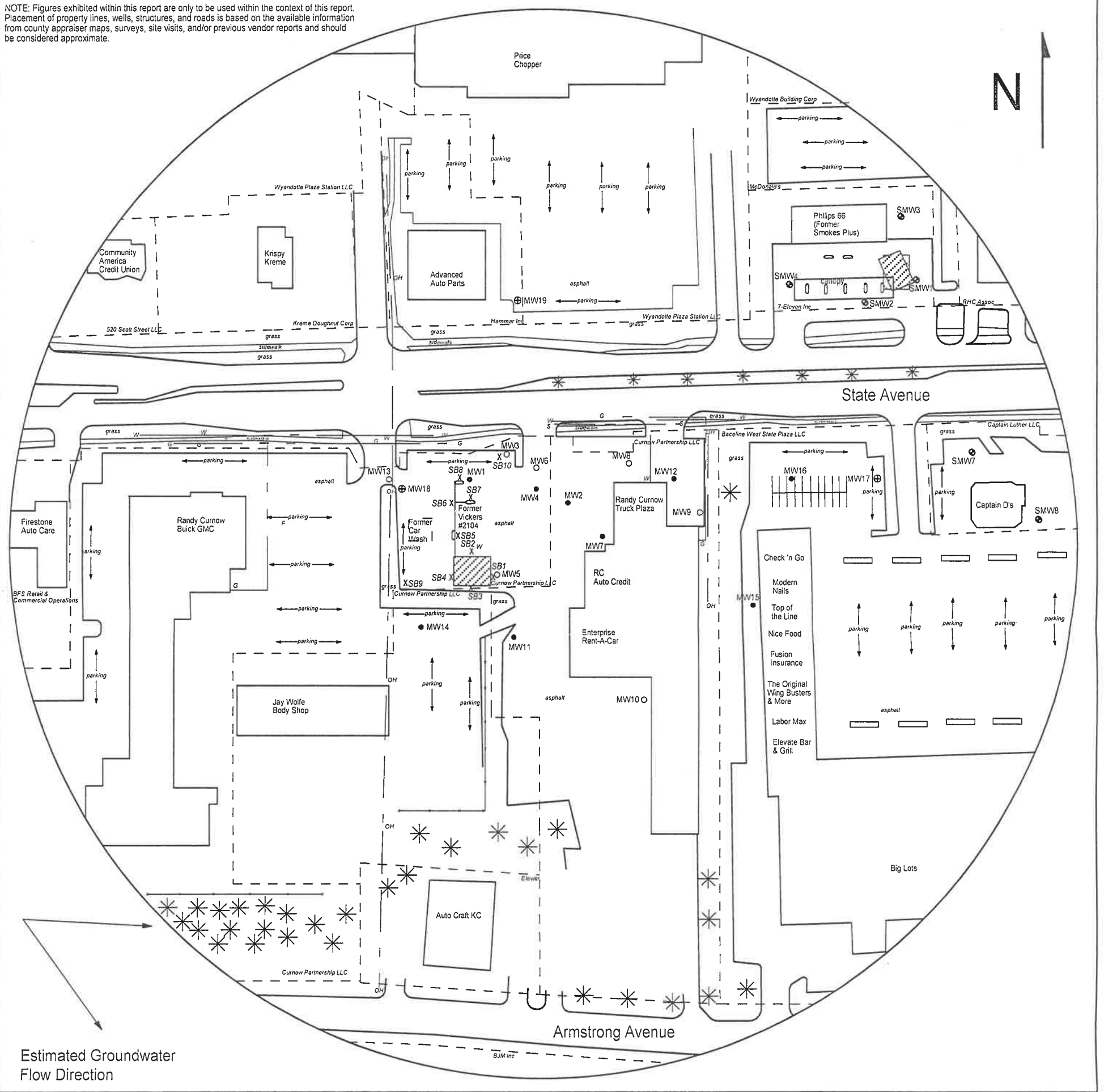


FIGURE 2.2 - 650 FT RADIUS AREA BASE MAP

**LEGEND**

- Approximate Location of Former UST Basin, Product Lines & Pump Islands
- Approximate Location of Active UST basin and Pump Islands
- Approximate Location of Property Line
- Existing Monitoring Well
- Plugged Well
- Monitoring Well (Installed 4/22/19)
- Monitoring Well from nearby site (Smokes Plus (U4-105-14816))
- Soil Boring (Drilled 4/16-17/19)
- Fire Hydrant
- Gas Lines (1.5 - 3 ft bgs)
- Overhead Lines (25'-40' high)
- Sewer Lines (2 - 6 ft bgs)
- Water Lines (2 - 6 ft bgs)

NOTE: SB9 & SB10 were drilled to collect hydrologic samples.  
NOTE: Utility depths, heights and locations are approximate.



**PROJECT:**  
 Vickers #2104  
 7667 State Ave  
 Kansas City, KS  
 KDHE ID: U4-105-00963  
 Date: 5/6/19



1311 E 25th St., Suite B 785-841-8707 office  
 Lawrence, KS 66046 785-865-4282 fax

RECEIVED  
 JUL 12 2019  
 BUREAU OF WATER